

ABSTRACT

A virus and intrusion protection apparatus for use with a personal computer or the like, and a computer network that adds a dedicated network board for exclusive communications with an external network, the World-Wide-Web and email. The dedicated network board includes the necessary duplicated computing components to isolate the Main Core of the computer or network server from external communications with the World-Wide-Web such as a central processing unit, memory, communications ports, needed modems, etc. During external communications, a switch connecting the dedicated network board to the Main Core of the computer or network server is opened. Booby trap ghost address book and ghost directories are added in the access board to trap new viruses that is not detected by the existing inspection programs.